

Comparisons of Job Characteristics

Focus Occupation: Veterinary Technologists and Technicians (29-2056)

Associated Occupation: Veterinarians (29-1131)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Veterinary Technologists and Technicians (29-2056)

Associated Occupation: Veterinarians (29-1131)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Biology	3.7	19.4	16.8	<	Expanded education and/or training may be required
Customer and Personal Service	11.3	17.3	16.1	0	Current knowledge level may be sufficient
Medicine and Dentistry	3.7	16.8	12.5	<<	Extensive education and/or training may be required
Mathematics	9.2	13.0	10.7	<	Expanded education and/or training may be required
Chemistry	4.8	12.6	10.4	<	Expanded education and/or training may be required
Sales and Marketing	5.2	11.2	5.6	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	9.8	2.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Veterinary Technologists and Technicians (29-2056)

Associated Occupation: Veterinarians (29-1131)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Science	4.5	15.2	9.2	<<	Extensive development of skills in this area may be required
Reading Comprehension	10.7	14.7	10.3	<<	Extensive development of skills in this area may be required

Judgment and Decision Making	9.4	12.8	9.1	<<	Extensive development of skills in this area may be required
Active Learning	8.7	12.4	10.1	<	A higher skill level may be required
Service Orientation	7.9	11.4	10.5	0	Current skill level may be sufficient
Operations Analysis	5.0	8.8	4.5	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 93

Focus Occupation: Veterinary Technologists and Technicians (29-2056)

Associated Occupation: Veterinarians (29-1131)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Inductive Reasoning	10.2	16.7	11.9	<<	Extensive improvement in abilities may be required
Problem Sensitivity	11.1	16.5	14.5	<	Some improvement in abilities may be required
Oral Comprehension	12.5	15.0	13.5	<	Some improvement in abilities may be required
Deductive Reasoning	10.6	14.5	12.0	<	Some improvement in abilities may be required
Near Vision	11.1	13.0	11.9	0	Current ability level may be sufficient
Information Ordering	9.9	12.0	10.7	<	Some improvement in abilities may be required
Finger Dexterity	7.6	11.0	11.4	0	Current ability level may be sufficient
Time Sharing	6.6	8.0	8.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Veterinary Technologists and Technicians (29-2056)

Associated Occupation: Veterinarians (29-1131)

Work Activities	Exclusivity of Activity
Administer injections	60
Administer medications or treatments	46
Analyze medical data	57
Communicate technical information	4
Draw blood	74
Follow infectious materials procedures	52
Identify animal species	82
Make presentations on health or medical issues	50

Observe patient condition	48
Position patient for therapy	70
Use animal disease control techniques	82
Use knowledge of medical terminology	40
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 93

Focus Occupation: Veterinary Technologists and Technicians (29-2056)
Associated Occupation: Veterinarians (29-1131)

Tools and Technologies	Exclusivity
Acute care monitoring units and related products	22
Airway management products	30
Anesthesia apparatus and accessories and supplies	47
Animal laboratory equipment and accessories	80
Autoclave and sterilizer equipment and accessories	12
Business function specific software	1
Cameras	2
Casting and splinting supplies	25
Clinical and diagnostic analyzers and accessories and supplies	18
Computers	1
Content authoring and editing software	1
Data management and query software	1
Dental and subspecialty instruments and devices	37
Dental fillers and finishing and polishing supplies	47
Dental imaging equipment and supplies	47
Emergency medical services resuscitation products	15
Enema administration supplies	31
Enteral feeding equipment and supplies	43
Face and head protection	7
Firearms	35
Harness goods	47
Hydrotherapy products	33
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Intravenous and arterial cannulas and catheters and accessories	29
Intravenous and arterial infusion bags and containers and related products	62
Intravenous and arterial tubing and administration sets and related products	22
Intravenous infusion pumps and its analyzers and sensors and its accessories	31
Intubation supplies	21
Laboratory centrifuges and accessories	13

Laboratory microscope slides and supplies	20
Light and wave generating and measuring equipment	4
Medical computed tomography CT or CAT systems and related products	27
Medical diagnostic x ray products	26
Medical imaging processing equipment and supplies	33
Medical linear accelerators and related products	62
Medical magnetic resonance imaging MRI products	33
Medical radiation detection or monitoring products	31
Medical radiological shielding and protection products	31
Medical staff clothing and related articles	17
Medical ultrasound and doppler and echo imaging products	19
Network applications software	1
Ophthalmic diagnostic exam products	27
Oxygen therapy delivery systems and devices	13
Patient point of care testing supplies and equipment	23
Periodontal equipment and supplies	62
Pipettes and liquid handling equipment and supplies	16
Positive mechanical pressure ventilators and accessories	31
Poultry and livestock equipment	33
Presterilization cleaning equipment and solutions	24
Pulse oximeters	18
Respiratory monitoring products	29
Resuscitation supplies	29
Safety apparel	4
Scopes and specula and accessories for medical exam diagnostic use	23
Specimen collection and transport containers and supplies	14
Stethoscopes and related products	14
Surgical cutting instruments and snares and related products	24
Surgical equipment and accessories and related products	23
Surgical measuring devices and related products	70
Surgical retractors and related products	43
Suture and related products	23
Syringes and accessories	14
Urological supplies	40
Veterinary equipment	40
Viewing and observing instruments and accessories	4
Weight measuring instruments	7

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.